

Southern Oil Refining Pty Ltd
 42 Lewington Street, Bomen, NSW 2650
 EPA License number 11408

Air Emissions – Utilities Block Stack (Point Source 1)									
Pollutant	Unit of Measure	100 percentile conc. limit	Monitoring frequency	No. of samples measured	Results March 2015				Exceedance (Y,N,N/A)
					Min. Value	Mean Value	Median Value	Max. Value	
Cadmium	g/m ³	0.0002	Quarterly	1	< 0.0000005	< 0.0000005	< 0.0000005	< 0.0000005	N
Chlorine	g/m ³	0.2	Quarterly	1	0.00012	0.00012	0.00012	0.00012	N
Mercury	g/m ³	0.0002	Quarterly	1	0.000001	0.000001	0.000001	0.000001	N
Nitrogen Oxides	g/m ³	0.3	Quarterly	1	0.21	0.21	0.21	0.21	N
Hydrogen Sulfide	g/m ³	0.005	Quarterly	1	0.00002	0.00002	0.00002	0.00002	N
Dioxins & Furans	ng/m ³	0.1	Yearly	1					N
Hydrogen Chloride	g/m ³	0.1	Quarterly	1	0.0031	0.0031	0.0031	0.0031	N
Solid Particles (PM10)	g/m ³	0.05	Quarterly	1	0.031	0.031	0.031	0.031	N
Sulfuric Acid Mist and/or Sulfur Trioxide	g/m ³	0.1	Quarterly	1	0.0095	0.0095	0.0095	0.0095	N
Total Fluoride	g/m ³	0.05	Quarterly	1	0.0013	0.0013	0.0013	0.0013	N
Hazardous Substances	g/m ³	0.001	Quarterly	1	0.0000044	0.0000044	0.0000044	0.0000044	N
VOCs	g/m ³	0.04	Quarterly	1	0.015	0.015	0.015	0.015	N
Temperature	K	N/A	Quarterly	1	743	743	743	743	N/A
Chromium	g/m ³	N/A	Quarterly	1	<0.0000005	<0.0000005	<0.0000005	<0.0000005	N/A
Oxygen	%	N/A	Quarterly	1	6.3	6.3	6.3	6.3	N/A
Sulphur Dioxide	g/m ³	N/A	Quarterly	1	0.92	0.92	0.92	0.92	N/A
Moisture Content	%	N/A	Quarterly	1	19	19	19	19	N/A
Carbon Monoxide	g/m ³	N/A	Quarterly	1	<0.003	<0.003	<0.003	<0.003	N/A
P.A.H.	ng/m ³	N/A	Quarterly	1	2300	2300	2300	2300	N/A
P.A.H. (BaP-TEQ)	ng/m ³	N/A	Quarterly	1	240	240	240	240	N/A
Velocity	m/s	N/A	Quarterly	1	18	18	18	18	N/A
Volumetric Flowrate	m ³ /s	N/A	Quarterly	1	4.9	4.9	4.9	4.9	N/A
Dry Gas Density	kg/m ³	N/A	Quarterly	1	1.3	1.3	1.3	1.3	N/A
Speciated Organic Compounds	g/m ³	N/A	Quarterly	1	0.015	0.015	0.015	0.015	N/A